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EP 0 249 188 A3

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(24) Process for the production of L-2-amino-4-(hydroxymethyl-phosphinyl)-butyric acid.

(27) A new process of producing L-2-amino-4-(hydroxymethylphosphinyl)-butyric acid (L-AMPB) is

now provided, in which 4-(hydroxymethylphosphinyl)-2-oxo-butyric acid

(O₁AMPB) is treated with one or more transaminases or with one or more microorganisms capable of producing the transaminase, in the presence of one or more amino-donor compounds such as α -amino acids. According to this process, the optically active L-AMPB useful as herbicidal agent can be produced efficiently in a facile way for a reasonable reaction time.



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
A	EP-A-0 068 497 (MEIJI SEIKO KAISHA) * Claims; pages 11,12 * ---	1	C 12 P 13/04 // C 12 N 9/10
A	GB-A-2 161 159 (GRACE) * Claims * ---	1	
A	PATENT ABSTRACTS OF JAPAN, vol. 6, no. 118 (C-111)[996], 2nd July 1982; & JP-A-57 47 485 (MEIJI SEIKA K.K.) 18-03-1982 (Cat. D,A) ---	1	
E	EP-A-0 248 357 (HOECHST) * Claims * -----	1-15	
			TECHNICAL FIELDS SEARCHED (Int. Cl.4)
			C 12 P C 12 M
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 02-11-1988	Examiner DELANGHE L. L. M.
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

EP-0 FORM 1500 (04/87) (P0001)